

Converting Colors

XYZ(28.2770, 28.1233, 29.1307)

Have a look what the booklet for
XYZ(28.2770, 28.1233, 29.1307)
contains.

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Color

**XYZ(28.2372, 28.1409,
29.1428)**

Conversions

Conversions Part 1

Format	Color
Hex	9D8D8D
RGB	157, 141, 141
RGB Percent	62%, 55%, 55%
CMY	0.3843, 0.4470, 0.4471
CMYK	0.00, 0.10, 0.10, 0.38
HSL	0°, 8%, 58%
HSV	0°, 10%, 62%
XYZ	28.2372, 28.1409, 29.1428
YIQ	145.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

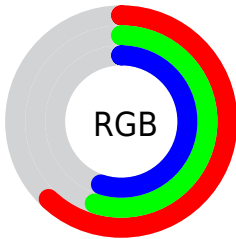
Format	Color
RYB	157, 141, 141
Decimal	10325389
CIELab	60.02, 5.98, 2.17
CIELCh	60, 6.357, 19.972
Yxy	28.1409, 0.3302, 0.3291
Android (android.graphics.Color)	4288515469 (0xFF9D8D8D)
YUV	145.7840, -2.3585, 9.8364
Hunter-Lab	53.0480, 2.1807, 4.5616

Details

The XYZ color **28.2372, 28.1409, 29.1428** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.1272, 32.2104, 36.5807**, and the grayscale version is **27.2404, 28.6590, 31.2097**.

A 20% lighter version of the original color is **56.5168, 56.9674, 59.6468**, and **11.5733, 11.3017, 11.4690** is the 20% darker color. If you saturate the color by 10%, you get **24.9981, 23.4014, 22.7024**, and if you desaturate by 10%, it is **31.9715, 33.6052, 36.5661**.

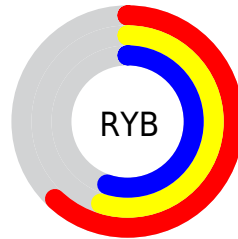
Distribution



Red (62%)

Green (55%)

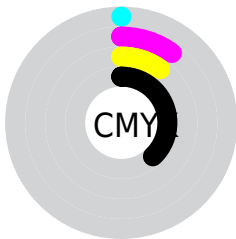
Blue (55%)



Red (62%)

Yellow (55%)

Blue (55%)

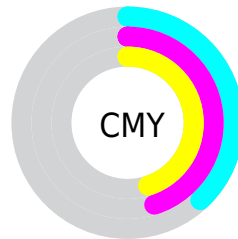


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (38%)



Cyan (38%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2372, 28.1409, 29.1428 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.2372, 28.1409, 29.1428 by changing the saturation by 10% instead.

■ 28.2372, 28.1409,
29.1428

■ 28.2372, 28.1409,
29.1428

285.6582,
293.1396, 311.9701

■ 18.6459, 18.4319,
18.9424

■ 56.2689, 56.7093,
59.3488

■ 11.5172, 11.2605,
11.4522

■ 75.4401, 76.3375,
80.1914

■ 6.4857, 6.2423,
6.2539

■ 98.5352, 100.0409,
105.4185

■ 3.1860, 2.9930,
2.9288

125.9197,
128.2039, 135.4486

■ 1.2529, 1.1281,
1.0584

157.9589,
161.2109, 170.7003

■ 0.1475, 0.0018,
0.0000

195.0181,

■ 0.0000, 0.0000,

199.4462, 211.5921

0.0000

237.4628,
243.2943, 258.5425

■ 28.2372, 28.1409,
29.1428

■ 28.2372, 28.1409,
29.1428

■ 24.9981, 23.4014,
22.7024

■ 31.9715, 33.6052,
36.5661

■ 22.2314, 19.3529,
17.2020

■ 36.2183, 39.8192,
45.0090

■ 19.9155, 15.9642,
12.5981

■ 40.9965, 46.8109,
54.5089

■ 18.0267, 13.2003,
8.8433

■ 46.3239, 54.6059,
65.1004

■ 16.5389, 11.0232,
5.8858

■ 52.2169, 63.2287,
76.8167

■ 15.4231, 9.3904,
3.6679

■ 58.6916, 72.7026,
89.6896

■ 14.6466, 8.2540,
2.1245

■ 65.7634, 83.0501,
103.7496

■ 14.1707, 7.5576,
1.1789

■ 67.7148, 85.9082,
107.6207

■ 13.9050, 7.1687,
0.6508

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.3097, 28.1409, 31.4237



28.2372, 28.1409, 29.1428



27.7610, 28.1409, 27.3516

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.2372, 28.1409, 29.1428



25.5725, 28.1409, 27.8614



26.4769, 28.1409, 35.2445

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.2372, 28.1409, 29.1428



29.1272, 32.2104, 36.5807

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.7582, 28.1409, 34.1833



28.2372, 28.1409, 29.1428



25.2431, 28.1409, 29.8708

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.2372, 28.1409, 29.1428



26.2188, 28.1409, 26.6381



25.3103, 28.1409, 32.1890



27.2824, 28.1409, 35.0253

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.2372, 28.1409, 29.1428



27.2838, 28.1409, 26.6395



25.3103, 28.1409, 32.1890



26.2174, 28.1409, 35.0237

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.2380, 28.1421, 29.1434



55.2479, 57.2428, 61.4906



29.5157, 28.6526, 35.8734



12.0406, 12.4256, 13.2993



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.2380, 28.1421, 29.1434



49.3166, 48.5638, 49.6986



29.4601, 30.5865, 29.5508



6.6332, 6.6463, 6.9189



11.2934, 5.8223, 0.5286



0.2020, 0.1042, 0.0095

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.1272, 32.2104, 36.5807



51.2018, 57.1892, 65.4667



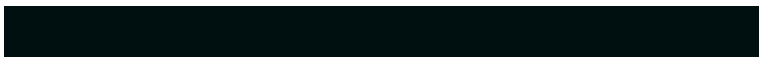
27.8181, 29.5923, 36.1443



6.8218, 7.5093, 8.4966



14.7317, 21.5549, 29.2913



0.2634, 0.3855, 0.5237

Previews

White Background



This preview shows how the XYZ color 28.2372, 28.1409, 29.1428 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.2372, 28.1409, 29.1428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2372, 28.1409, 29.1428

Background



This preview shows how black text looks on a background with the XYZ color 28.2372, 28.1409, 29.1428.



This preview shows how white text looks on a background with the XYZ color 28.2372, 28.1409,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.2372, 28.1409, 29.1428

Protanopia

27.1439, 28.2256, 30.0040

Deuteranopia

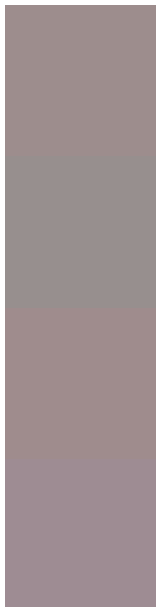
28.6830, 28.1528, 29.1216



Tritanopia

28.9837, 28.2273, 32.7750

Trichromacy



Original Color

28.2372, 28.1409, 29.1428

Protanomaly

27.4674, 28.1772, 29.5822

Deuteranomaly

28.4839, 28.0502, 29.1123

Tritanomaly

28.7451, 28.1319, 31.5187

Monochromacy



Original Color

28.2372, 28.1409, 29.1428

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.5850, 28.4442, 30.4219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2372, 28.1409, 29.1428 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(157, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(157, 141, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(157, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 141, 141) }
```

Border

The CSS property to change the border of an element to XYZ 28.2372, 28.1409, 29.1428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 141, 141) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(157, 141, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(157, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 141, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 141, 141);  
box-shadow:4px 4px 4px 4px rgb(157, 141,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2372, 28.1409, 29.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 141, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(157,  
141, 141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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